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Industrial Ethernet Switch - FL SWITCH SFNT 5TX-C - 2891043

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Wide-temperature Ethernet switch, 5 TP RJ45 ports, automatic detection of data transmission speed of 10/100 Mbps (RJ45), autocrossing function, reads QoS priority messages, accepts security frames. Conformal coating for harsh environments.

One port is located on the bottom

RoHS

Ethernet

Key Commercial Data

| Packing unit | 1 STK |
|--------------|-----------------|
| GTIN | 4 046356 651080 |
| GTIN | 4046356651080 |

Technical data

Note

| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---|
| Dimensions | |
| Width | 30 mm |
| Height | 130 mm |
| Depth | 100 mm |

Ambient conditions

| Degree of protection | IP20 |
|--|--|
| Ambient temperature (operation) | -40 °C 75 °C |
| Ambient temperature (storage/transport) | -40 °C 85 °C |
| Permissible humidity (operation) | 5 % 95 % (non-condensing) |
| Permissible humidity (storage/transport) | 5 % 95 % (non-condensing) |
| Air pressure (operation) | 62 kPa 108 kPa (up to 4160 m above mean sea level) |
| Air pressure (storage/transport) | 62 kPa 108 kPa (up to 4160 m above mean sea level) |

Interfaces

| Interface 1 | Ethernet (RJ45) |
|-------------|-----------------|
|-------------|-----------------|



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Technical data

Interfaces

| No. of ports | 5 (RJ45 ports) |
|-------------------------------|-----------------------------------|
| Note on the connection method | Auto negotiation and autocrossing |
| Transmission physics | Ethernet in RJ45 twisted pair |
| Transmission speed | 10/100 Mbps |

Function

| Basic functions | Unmanaged switch / autonegotiation, complies with IEEE 802.3, store and forward switching mode, includes QoS and alarm contact |
|----------------------------------|--|
| Additional functions | Autonegotiation |
| Status and diagnostic indicators | LEDs: U_{S1} , U_{S2} (redundant voltage supply), link and activity per port, alarm (power and link down) |

Network expansion parameters

| Cascading depth | Network, linear, and star structure: any |
|---|--|
| Maximum conductor length (twisted pair) | 100 m |

Supply voltage

| Supply voltage | 24 V DC (redundant) |
|-----------------------------|---|
| Residual ripple | 3.6 V_{PP} (within the permitted voltage range) |
| Supply voltage range | 9 V DC 32 V DC |
| Typical current consumption | 125 mA (at U _s = 24 V DC) |
| Max. current consumption | 345 mA (@9 V DC) |

General

| Mounting type | DIN rail |
|------------------|--------------|
| Туре АХ | Block design |
| Net weight | 275 g |
| Housing material | Aluminum |

Standards and Regulations

| Electromagnetic compatibility | Conformance with EMC Directive 2004/108/EC |
|-------------------------------|--|
| Noise emission | EN 61000-6-4 |
| Noise immunity | EN 61000-6-2 |
| Conformance | CE-compliant |
| ATEX | # II 3 G Ex nA nC IIC T4 Gc |
| IECEx | Ex nA nC IIC T4 Gc |
| UL, USA/Canada | Class I, Div. 2, Groups A, B, C, D |

Environmental Product Compliance

| REACh SVHC | Lead 7439-92-1 |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 10; |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |



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Approvals

Approvals

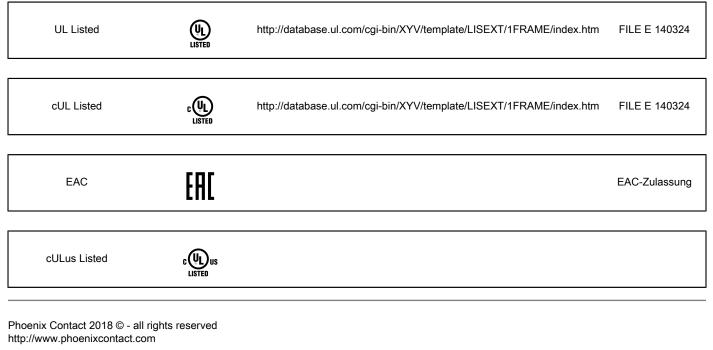
Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

UL Listed / cUL Listed / IECEx / ATEX / cULus Listed

Approval details



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